

## ABSTRACT:

The invention is in the field of consumer devices. The term "consumer device" is used to indicate various electrical, electronic and mechanical devices, which can be used in the work place and in and around home.

The invention relates to a method for secure data communication between  
5 consumer devices. Methods in which the user of the devices chooses which device he trusts  
and which device must be authenticated are known. These methods are not suitable in the  
situation in which the user can not be trusted. The method according to the invention  
therefore comprises the following steps: a) activating a data communication link between the  
10 devices, b) transmitting data between the devices for performing an authentication session (3)  
for authenticating the consumer devices (1,2), wherein the authentication session (3) generates a  
first key (5), and c) transmitting data between the devices for performing another  
authentication session (4) for authenticating the consumer devices (1,2), wherein the  
authentication session (4) generates a second key (6).

The invention further relates to a consumer device and a signal.

Fig. 1